

10th Class 2020

Chemistry	Group-I	Paper-II
Time: 15 Minutes	(Objective Type)	Marks: 12

Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

- 1-1- **Just above the earth's surface is:**
(a) Mesosphere (b) Stratosphere
(c) Thermosphere (d) Troposphere ✓
- 2- **The reduction of alkyl halides takes place in the presence of:**
(a) Zn / HCl ✓ (b) Na / HCl
(c) Mg / HCl (d) Cu / HCl
- 3- **When NaHCO_3 is heated, it forms:**
(a) CO_2 ✓ (b) Ca(OH)_2
(c) CaCO_3 (d) CaO
- 4- **For a reaction between PCl_3 and Cl_2 to form PCl_5 , the units of K_c are:**
(a) mol dm^{-3} ✓ (b) $\text{mol}^{-1} \text{dm}^{-3}$
(c) $\text{mol}^{-1} \text{dm}^3$ (d) mol dm^3
- 5- **Temporary hardness is because of:**
(a) $\text{Ca(HCO}_3)_2$ ✓ (b) CaCO_3
(c) MgCO_3 (d) MgSO_4
- 6- **Reactions which have comparable amounts of reactants and products at equilibrium state have:**
(a) Very small K_c value
(b) Very large K_c value
(c) Moderate K_c value ✓
(d) None of these

- 7- Specific heat capacity of water is:
(a) $4.2 \text{ KJ g}^{-1} \text{ K}^{-1}$ (b) $4.2 \text{ J g}^{-1} \text{ K}^{-1}$ ✓
(c) $2.4 \text{ KJ g}^{-1} \text{ K}^{-1}$ (d) $2.4 \text{ J g}^{-1} \text{ K}^{-1}$
- 8- You want to dry a gas, which one of the following salt you will use?
(a) CaCl_2 (b) NaCl
(c) CaO ✓ (d) Na_2SiO_3
- 9- A reaction between an acid and base produces:
(a) Salt and water ✓ (b) Salt and gas
(c) Salt and acid (d) Salt and base
- 10- Which one of the following is tasteless?
(a) Starch ✓ (b) Glucose
(c) Fructose (d) Sucrose
- 11- The ability of carbon atoms to form chains is called:
(a) Isomerism (b) Catenation ✓
(c) Resonance (d) Condensation
- 12- Photosynthesis process produces:
(a) Starch (b) Cellulose
(c) Sucrose (d) Glucose ✓